Ontario Ministry of Northern Development and Mines

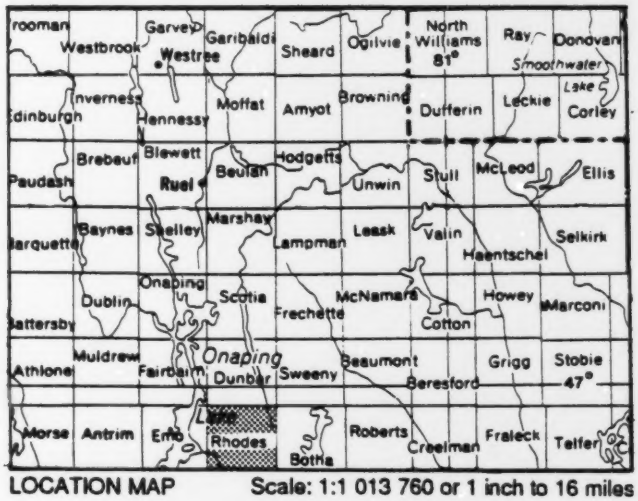
Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO 484

RHODES TOWNSHIP

Compiled by the Staff of
the Resident Geologist's Office
Sudbury



LOCATION MAP Scale: 1:1 013 760 or 1 inch to 16 miles

CANADA ONTARIO Mineral Development Exploration Minérale

This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

90-01093/

NTS Number 41 I/14

Mining Claim Map Number G.4096

This project was funded under the Canada-Ontario Mineral Development Agreement (COMDA)

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey 1989. Rhodes Township, Geological Data Inventory Folio 484; compiled by the staff of the Resident Geologist's office, Sudbury.

Original Compilation by: Jerome, Lucille, June 1988

Date	Page Revised	Revised by

Date	Page Revised	Revised by

RHODES TOWNSHIP

TABLE OF CONTENTS

Data Sources Checklist 1
Metals and Minerals Reference List 2
Mineral Occurrences 3
Type of Work ..... 4 - 5
Drill Hole Summary 6
Airborne Geophysical Survey Data 7
Geochemical Survey Data 8
Miscellaneous Data 9
Newspaper Clipping File 10
ODM General Index Search ..... 11 - 13
Selected References ..... 14 - 17
Notes and Addenda 18
(Aerial Photographs Index)

ACCOMPANYING MAPS

Property Location Map 1

Exploration Data Map 1

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	L.J.
2	Assessment Files Research Office, Toronto	N.A.	L.J.
3	ODM General Index; 9 Volumes	Yes	L.J.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	L.J.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	L.J.
6	ODM Industrial Mineral Reports	No	L.J.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	L.J.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	L.J.
9	Newspaper Clippings File	No	L.J.
10	GSC Index to Publications	No	L.J.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	L.J.
12	OGS Index Maps	Yes	L.J.
13	Source Mineral Deposit Records (O.G.S.)	Yes	L.J.
14	Author - Subject Articles File	Yes	L.J.
15	Miscellaneous Papers: ODM & OGS	Yes	L.J.
16	ODM Geological Circulars: OGS Study Series	No	L.J.
17	ODM Preliminary Reports: ODM Bulletins	No	L.J.
18	ODM – OGS Open File Reports	Yes	L.J.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	L.J.
20	OGS Aggregate Resources Inventory Papers	No	L.J.
21	OGS Mineral Potential Maps	Yes	L.J.
22	Theses on File Sudbury	Yes	L.J.
23	Aerial Photographs on File, Sudbury	Yes	L.J.

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . .Anhydrite
- △ ank. . . . . .Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . .Apatite
- △ arg . . . . . Argentite
- △ As . . . . . .Arsenic
- △ asp . . . . . .Arsenopyrite
- △ asb . . . . . .Asbestos
- △ ba. . . . . .Barite
- △ be. . . . . .Beryl
- △ Bi. . . . . .Bismuth
- △ bn . . . . . .Bornite
- △ bran . . . . . .Brannerite
- △ bruc . . . . . .Brucite
- △ Cd . . . . . .Cadmium
- △ calc. . . . . .Calcite
- △ carb . . . . . .Carbonate
- △ cel . . . . . .Celestite
- △ cc. . . . . .Chalcocite
- △ cp. . . . . .Chalcopyrite
- △ ch. . . . . .Chert
- △ clay . . . . . .Clay
- △ Co . . . . . .Cobalt
- △ cob. . . . . .Cobaltite
- △ cb. . . . . .Columbite
- ▲ Cu . . . . . .Copper
- △ cor . . . . . .Corundum
- △ dol . . . . . .Dolomite
- △ ep. . . . . .Epidote
- △ ery . . . . . .Erythrite
- △ fel . . . . . .Feldspar
- △ fl . . . . . .Fluorite (flurospar)
- △ fu. . . . . .Fuchsite
- △ gn. . . . . .Galena
- △ gt. . . . . .Garnet
- △ goe . . . . . .Goethite
- ▲ Au . . . . . .Gold
- △ gf. . . . . .Graphite
- △ gl . . . . . .Gravel
- △ gyp. . . . . .Gypsum
- ▲ hem . . . . . .Hematite
- △ il . . . . . .Ilmenite
- ▲ Fe . . . . . .Iron
- △ IF. . . . . .Iron Formation
- △ jas . . . . . .Jasper
- △ kaol . . . . . .Kaolinite (kaolin)
- △ ky . . . . . .Kyanite
- △ Pb . . . . . .Lead
- △ lim . . . . . .Limonite
- △ Li. . . . . .Lithium
- △ mgst . . . . . .Magnesite
- △ mag . . . . . .Magnetite
- △ mc . . . . . .Malachite
- △ Mn . . . . . .Manganese
- △ mb . . . . . .Marble
- △ mar. . . . . .Marcasite
- △ ma . . . . . .Marl
- △ mi . . . . . .Mica
- △ ml . . . . . .Millerite
- △ mo . . . . . .Molybdenite
- △ Mo . . . . . .Molybdenum
- △ mon . . . . . .Monazite
- △ ne. . . . . .Nephelite (nepheline)
- △ nc. . . . . .Niccolite
- △ Ni. . . . . .Nickel
- △ Nb . . . . . .Niobium
- △ Pd . . . . . .Palladium
- △ peat . . . . . .Peat
- △ pent . . . . . .Pentlandite
- △ Pt. . . . . .Platinum
- △ py . . . . . .Pyrite
- △ pyl . . . . . .Pyrochlore
- △ pyrl . . . . . .Pyrolusite
- △ po . . . . . .Pyrrhotite
- △ q . . . . . .Quartz
- △ qcv . . . . .Quartz carbonate vein
- △ ra. . . . . .Radioactive minerals
- △ RE . . . . . .Rare Earths
- △ sd. . . . . .Sand
- △ sgl . . . . . .Sand and gravel
- △ ss. . . . . .Sandstone
- △ scap . . . . . .Scapolite
- △ shee . . . . . .Scheelite
- △ serp . . . . . .Serpentine
- △ sh. . . . . .Shale
- △ sid . . . . . .Siderite
- △ si . . . . . .Silica
- ▲ Ag . . . . . .Silver
- △ sl . . . . . .Slate
- △ sm . . . . . .Smaltite
- △ sod. . . . . .Sodalite
- △ spec . . . . . .Specularite
- △ sp. . . . . .Sphalerite
- △ spd. . . . . .Spodumene
- △ staur . . . . . .Staurolite
- △ stib. . . . . .Stibnite
- △ st. . . . . .Stone
- △ talc. . . . . .Talc
- △ Te . . . . . .Tellurium
- △ td. . . . . .Tetrahedrite
- △ th. . . . . .Thorite
- △ Th . . . . . .Thorium
- △ thuc . . . . . .Thucholite
- △ ti . . . . . .Titanite
- △ Ti. . . . . .Titanium
- △ tour . . . . . .Tourmaline
- △ trap . . . . . .Trap rock
- △ W. . . . . .Tungsten
- △ uran . . . . . .Uraninite
- △ U. . . . . .Uranium
- △ verm . . . . . .Vermiculite
- △ Y. . . . . .Yttrium
- ▲ Zn . . . . . .Zinc
- △ zr. . . . . .Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

RHODES TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Bennet Lake Occurrence	Fe	--	MRC 11, pp. 357-358	GR 196, p. 42 Rhodes 0012-A1
B	Hanna Occurrence	Cu, Zn, Au, Ag	--		GR 196, p. 42
C	Onaping Lake Occurrence	hem	Fe 6		GR 196, pp. 44-45 Emo 0011
D	Richardson Lake Occurrence	Fe	Fe 7	MRC 11, p. 358	GR 196, p. 43
E	Sandfly Lake/South Lake Occurrence	Fe	--		GR 196, pp. 43-44

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Smith, H. E. (Rhodes 0010-A1)				66															
2	Richardson Lake Iron Mines Ltd. (Rhodes 0010-E1)				71															
3	Richardson Lake Iron Mines Ltd. (Rhodes 0013-D1)			71																
4	Hudbay Mining Ltd. (Rhodes 0010-C1)				81															
5	Hudbay Mining Ltd. (Rhodes 0010-C1)				81															
6	The Hanna Mining Company (Rhodes 0010-B1)				71															
7	Blanchard, E. (Rhodes 0013-C1)			69																
8	Richardson Lake Iron Mines Ltd. (Rhodes 0013-D1)			71																
9	Richardson Lake Iron Mines Ltd. (Rhodes 0013-D1)			71																
10	Explorers Alliance Ltd. (Botha 0011-A1)											57								

RHODES TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	GRAVITY		
11	The Hanna Mining Company (Rhodes 0013-A1)	71										71	71							
12	Head of the Lakes Iron Ltd. (Emo 0011)											52						52		
13	Head of the Lakes Iron Ltd. (Rhodes 0011-A1)				52															
14	Ironco Mining & Smelting Ltd. (Rhodes 0012-A1)			62								62								
15	Ferco Mines Ltd. (Rhodes 0012-B1)			62								62								
16	Hudbay Mining Ltd. (Rhodes 0011-B1)								80[1]	80										

[1] Map unavailable

5

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
1	Smith, H. E.	1	1966	--	90	0	107'	mag, IF	
1		2	1966	--	90	0	101'	mag, IF	
2		3	1966	--	90	0	103'	mag, IF	
2		4	1966	?	85	0	109'	mag, IF	
3	Richardson Lake Iron Mines Ltd.	1	1971	270	50	0	128'	mag	
3		2	1971	270	50	0	38'	mag	
4	Hudbay Mining Ltd.	81-1	1981	040	45	1.2m	38.71m	po,py,cp,sp	Au, Ag
5		81-2	1981	058	50	1.52m	30.48m	py, po	Au, Ag
6		81-3	1981	045	50	2.4m	30.48m	po,cp,sp,gn	Au,Ag,Cu,Pb, Zn
7		81-4	1981	020	55	7.9m	52.7m	po, py	Au, Ag
8	The Hanna Mining Company	B-1	1971	360	45	16'	149'	py,cp,sp,ep,gt	Au,Ag,Cu,Zn
9	Head of the Lakes Iron Ltd.	8	1952	090	30	25'	415'	mag, hem	

RHODES TOWNSHIP

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
16	Questor Surveys Ltd. Hudbay Mining Ltd.	Airborne magnetic and electromagnetic	122 m	NE/SW	200 m

GDIF FORM NO. 4

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below who have worked in this area, is maintained in the Regional Resident Geologist's Office.

GDIF FORM NO.

ODM GENERAL INDEX SEARCH

Words searched:

BENNET LAKE OCCURRENCE
BLANCHARD, E.
EXPLORERS ALLIANCE LTD.
FERCO MINES LTD.
HANNA MINING COMPANY, THE
HANNA OCCURRENCE
HEAD OF THE LAKES IRON LTD.
HUDBAY MINING LTD.
IRONCO MINING & SMELTING LTD.
ONAPING LAKE OCCURRENCE
RHODES TOWNSHIP
RICHARDSON LAKE OCCURRENCE

Index Volume	Listing:	Report Volume	Part	Page
4	Head of the Lakes Iron Ltd. Incorporated	58	1	44
6	Explorers Alliance Ltd. Name changed	66	1	36
8	Bennet Lake Occurrence Rhodes Tp., Sudbury Dist. mining property, report on	MRC 11		357-358
8	Ferco Mines Ltd. Rhodes Tp., Sudbury Dist.	MP 63		88
8	Hanna Mining Co. Ltd., The Rhodes Tp., Sudbury Dist.	MP 63		88
8	Ironco Mining & Smelting Co. Ltd. Rhodes Tp., Sudbury Dist.	MP 63		88, 89
8	Rhodes, Botha & Emo Tps., Sudbury Dist. Summary of field work, 1975 by B. Dressler	MP 63		88-90
8	Richardson Lake Prospect Rhodes Tp., Sudbury Dist. mining property, report on	MRC 11		358
9	Bennet Lake Rhodes Tp., Sudbury Dist.	GR 196		9,28,30, 31, 41
9	Botha, Emo & Rhodes Tps., Sudbury Dist. Geology of the area report & map 2413, 1980 by B. Dressler iron lead/zinc/copper sand/gravel	 GR 196 GR 196 GR 196 GR 196		 41-45 46-47 47
9	Explorers Alliance Ltd. Rhodes & Botha Tps., Sudbury Dist.	GR 196		43
9	Ferco Mines Ltd. Rhodes Tp., Sudbury Dist.	GR 196		43

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

RICHARDSON LAKE IRON MINES LTD.
SANDFLY LAKE
SMITH, H. E.
SOUTH LAKE

Index Volume	Listing:	Report Volume	Part	Page
9	Hanna Occurrence Rhodes Tp., Sudbury Dist. report on property	GR 196		42
9	Onaping Lake Occurrence Emo & Rhodes Tps., Sudbury Dist. report on property	GR 196		44-45
9	Richardson Lake Occurrence Rhodes Tp., Sudbury Dist. report on property	GR 196		43
9	Sandfly Lake Occurrence Rhodes & Botha Tps., Sudbury Dist. report on property	GR 196		43-44

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D.	1965,67	Cartier Sheet	ODM Map P.287	1" = 2 miles
Card, K. D., Lumbers, S.B.	1974,75	Sudbury-Cobalt Geological Compilation (revised)	OGS Map 2361	1" = 4 miles
Dressler, B.	1976	Rhodes Township	Map P.1090	1" = 1/4 mile
	1979	Emo, Rhodes, and Botha Townships	OGS Map 2413	1" = 1/2 mile
		GEOPHYSICAL MAPS		
GSC - ODM	1965	Aeromagnetic Map - Venetian Lake	1519G	1" = 1 mile
Gupta, V. K.	1981	Bouguer Gravity and Generalized Geological Map of the Sudbury-Onaping Lake Area	OGS Map P.2482	1:100 000
ODM - GSC	1965	Aeromagnetic Map - Sudbury Sheet	7067G	1" = 4 miles
	1976	Uranium Reconnaissance Program Airborne Gamma Ray Spectrometer Survey, Sudbury	Map P.1610	1:250 000
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
EMR	1975	Topographic Map - Venetian Lake	41 I/14	1:50 000
Gartner, J. F.	1980	NOEGTS Data Base Map, Cartier	Map 5000	1:100 000
		NOEGT Study 94, Cartier Area		
		NOEGTS General Construction Capability Map, Cartier	Map 5004	1:100 000
Sado, E. V., Carswell, B.F	1987	Surficial Geology of Northern Ontario	OGS Map 2518	1:1 200 000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		MINERAL POTENTIAL MAPS		
Meyn, H. D.	1975	Iron Deposits of Ontario, East Central Sheet	OGS Map P.1043	1" = 16 miles
Springer, J.	1977	Ontario Mineral Potential, Northern Part of Sudbury Sheet and Part of North Bay Sheet	OGS Map P.1512	1:250 000
		GEOCHEMICAL MAPS		
		No data available as of June 21, 1988		
		GEOLOGICAL REPORTS AND MAPS		
Adlington, R.	1982	Rhodes Township - Sudbury Data Series	OGS Map P.2465	1" = 1/4 mile
Dressler, B.	1980	Geology of Emo, Rhodes and Botha Townships	GR 196	
	1977	Geology of Emo, Rhodes and Botha Townships	OFR 5224	
Shklanka, R.	1968	Iron Deposits of Ontario	MRC 11	
		JOURNALS, ARTICLES, THESES AND TECHNICAL REPORTS		
Chandler, F. W.	1986	Sedimentology and Paleoclimatology of the Huronian (Early Aphebian) Lorrain and Gordon Lake Formations and their Bearing on Models for Sedimentary Copper Mineralization	GRS Paper 86-1A	pp. 121-132
Dupuis, L., Whitehead, R. E., Davies, J. F.	1982	Evidence for a Genetic Link Between Sudbury Breccias and Fenite Breccias	CJES Vol. 19	pp. 1174-1184

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Eade, K. E.	1950	The Huronian Rocks of Northwestern Ontario; M. Sc., McGill University	MP 2	
Fairbairn, F. W., Robson, G. M.	1942	Breccia at Sudbury, Ontario	Jour. of Geology, Vol. 50	pp. 1-33
Hadley, D. G.	1968	The Sedimentology of the Huronian Formation Ontario and Quebec, Canada	Theses on File	
Lindsey, D. A.	1969	Glacial Sedimentology of the Precambrian Gowganda Formation, Ontario, Canada	GSA Bull. 80	pp. 1685-1702
Roscoe, S. M.	1969	Huronian Rocks and Uraniferous Conglomerates in the Canadian Shield	GSC Paper 68-40	

RHODES TOWNSHIP

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO. 9

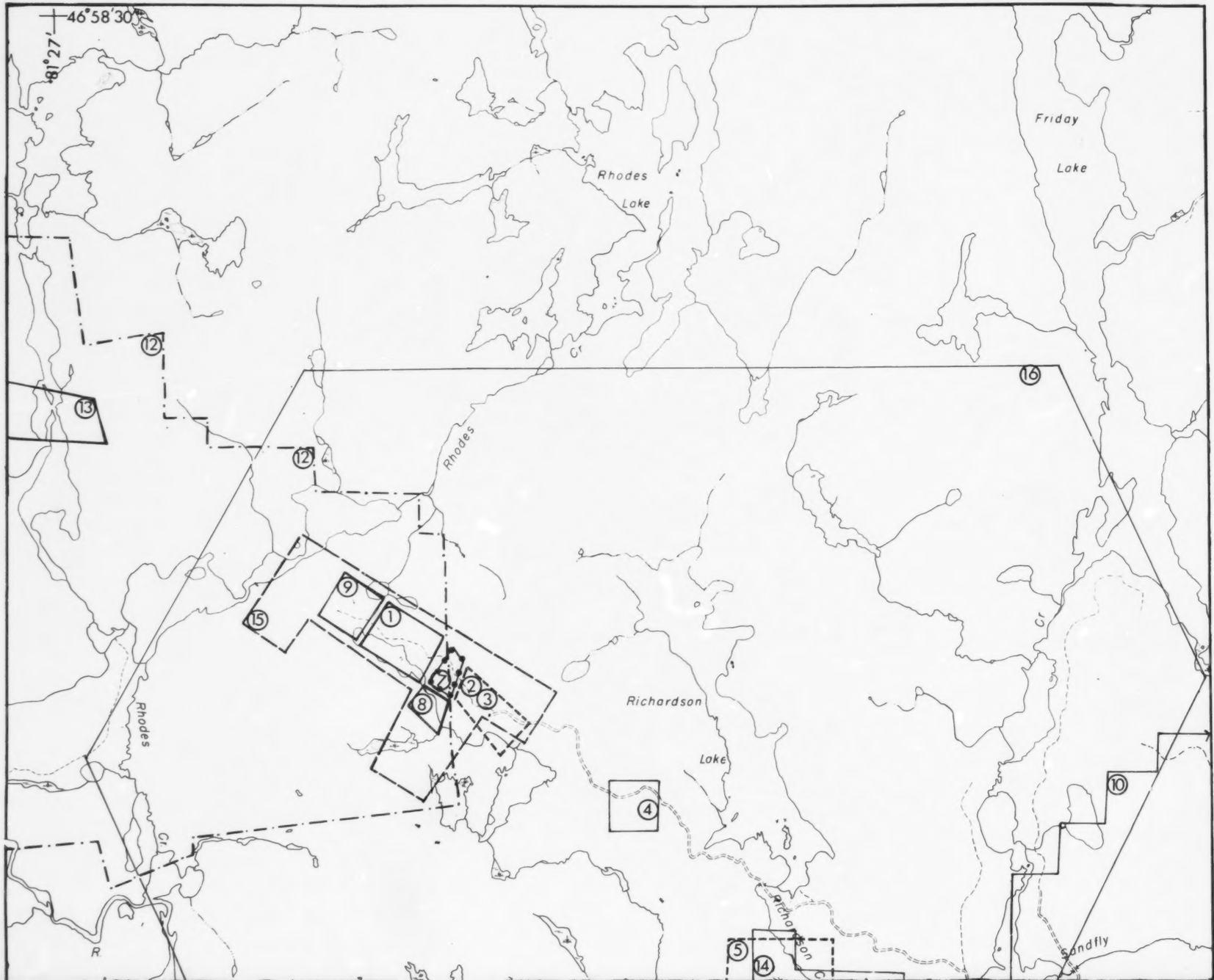
NOTES AND ADDENDA

AERIAL PHOTOGRAPHS

1" = 1/4 mile

Year	Roll	Line	Number
1973	30	4640	174-180
	29	4639	164-166
	28	4638	254-257

GDIF FORM NO.10



Ontario

Ministry of Northern Development and Mines

Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 484

(Map 1 of 2)

RHODES TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

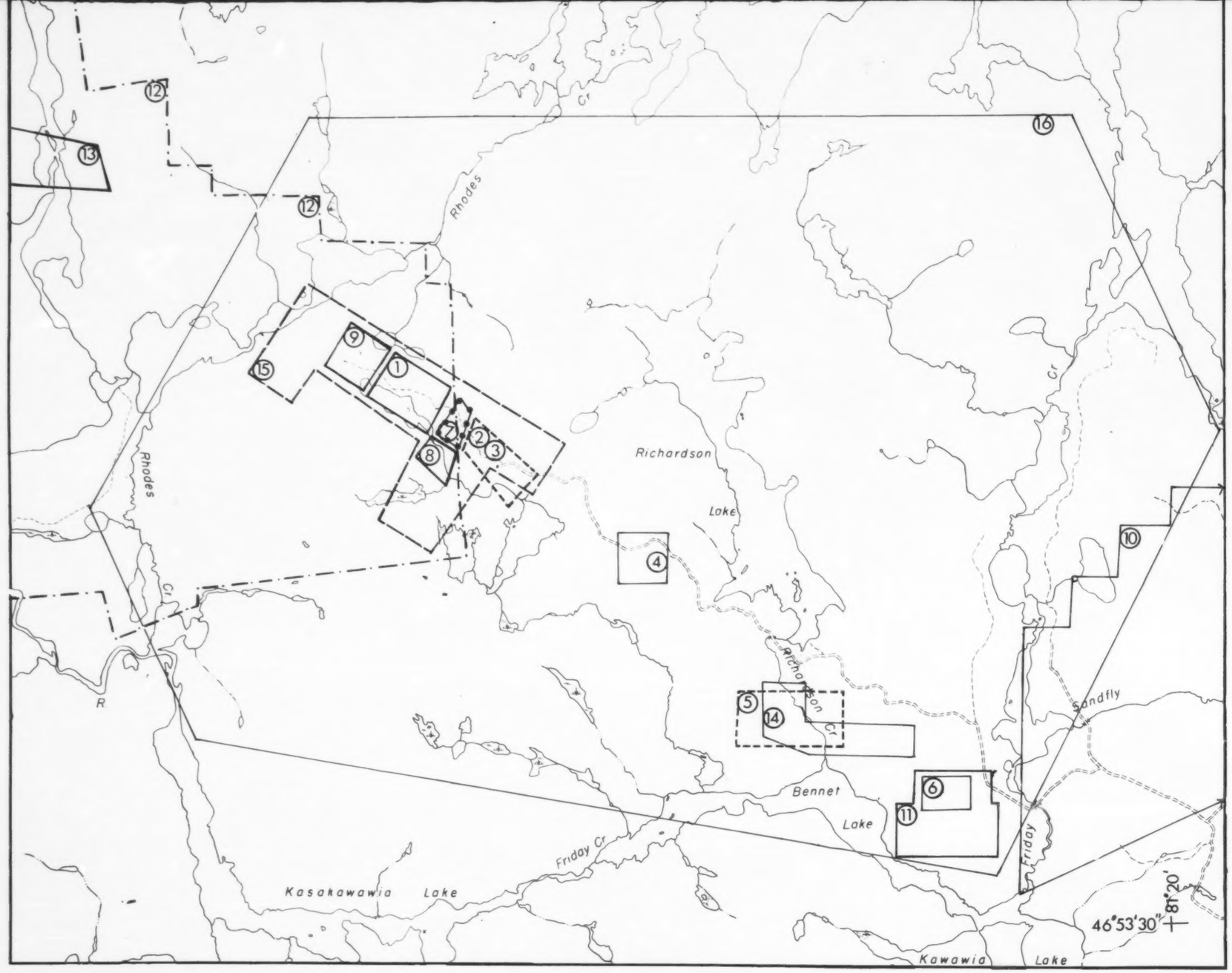
Mile 0.5 0 0.5 1 Mile

RHODES TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile



EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration

File covers whole township or area

TYPES OF DATA SHOWN ON THIS MAP

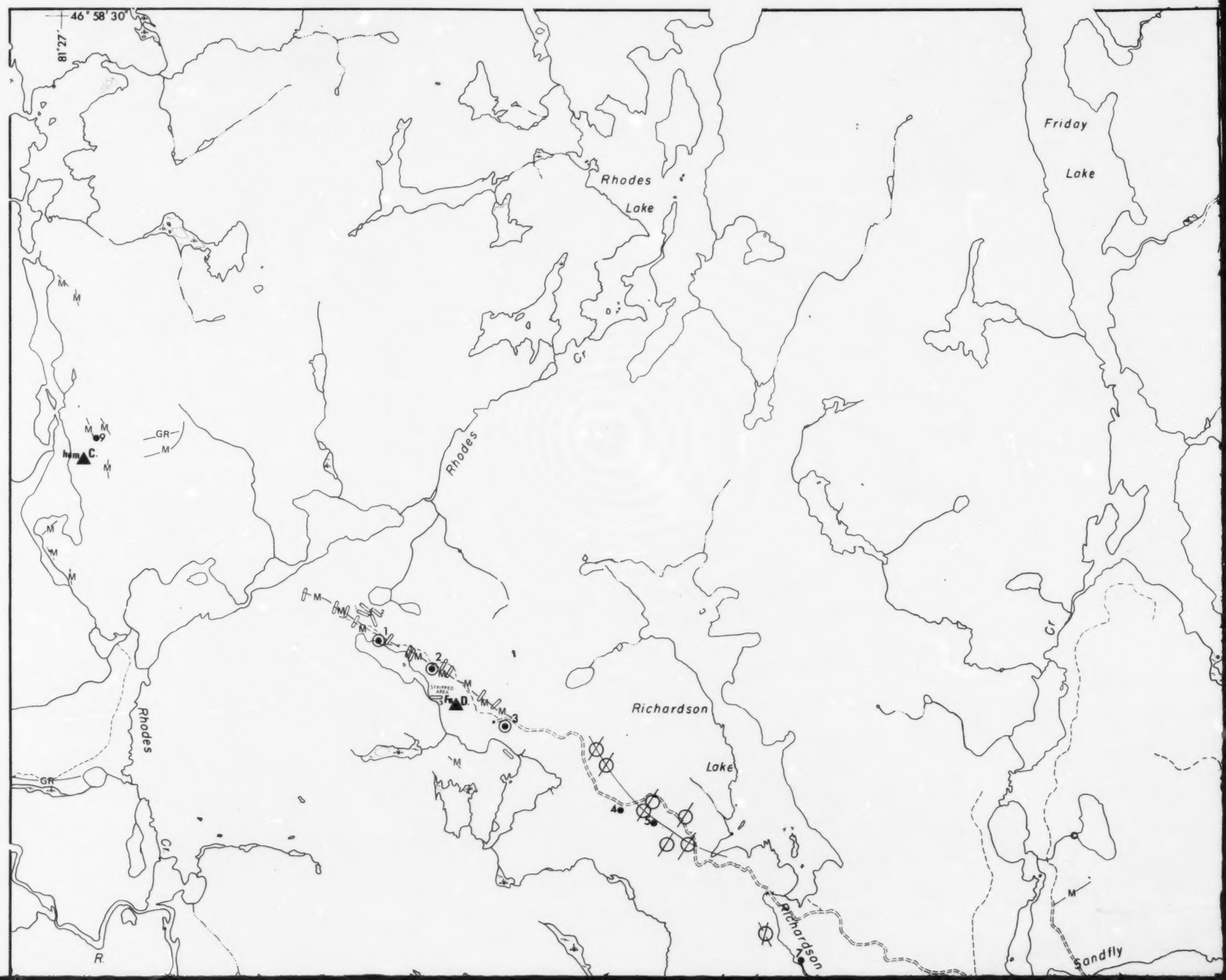
GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

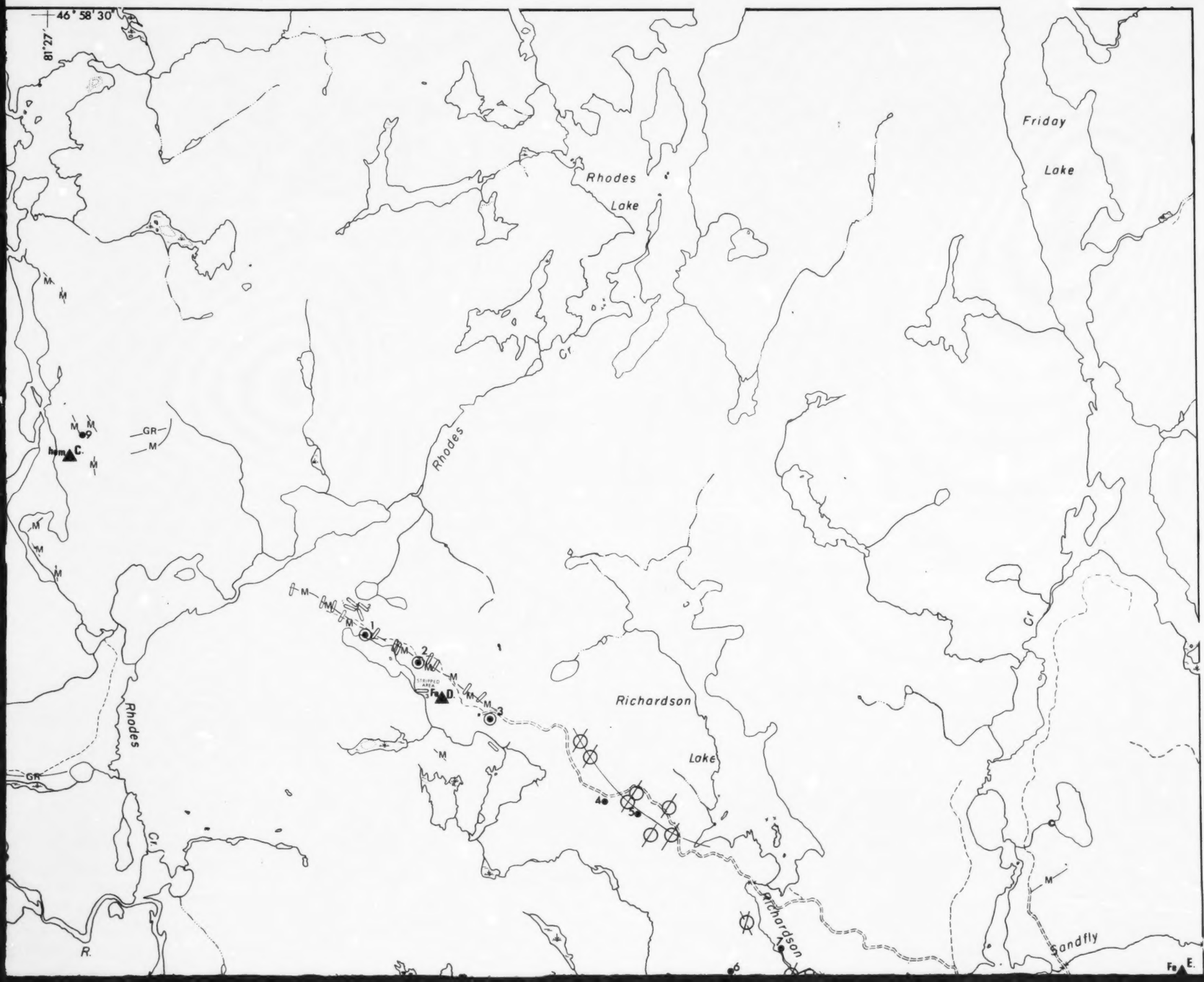
- ☐ Geochemical sample site, with reference number
- ☐ Area of geochemical sampling, with reference number
- ☐ Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- ☐ Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly
  Length of anomaly along flight line
- ■ Airborne electromagnetic anomaly
  Location of anomaly along flight line
- ■ Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ☐ Airborne radiometric anomaly
- ■ Ground magnetic anomaly
- ■ Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq.; Turam; JEM -
  Crone Em - 16)
- ☐ Ground radiometric anomaly
- ☐ Induced polarization anomaly
- ☐ Self potential anomaly
- ☐ Audio-frequency magnetic anomaly
  (total intensity)
- ☐ Resistivity anomaly
- ■ Gravity anomaly

MISCELLANEOUS DATA





Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 484

(Map 2 of 2)

RHODES TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ■ cp A. — Mineral occurrence at surface, with reference letter
- □ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- □ Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- □ cp A. — Mineralized float with reference letter
- □ A. — Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- ■ ●2 — Location of single drillhole, with reference number
- ■ ◉2 — Location of closely spaced group of drillholes, with reference number

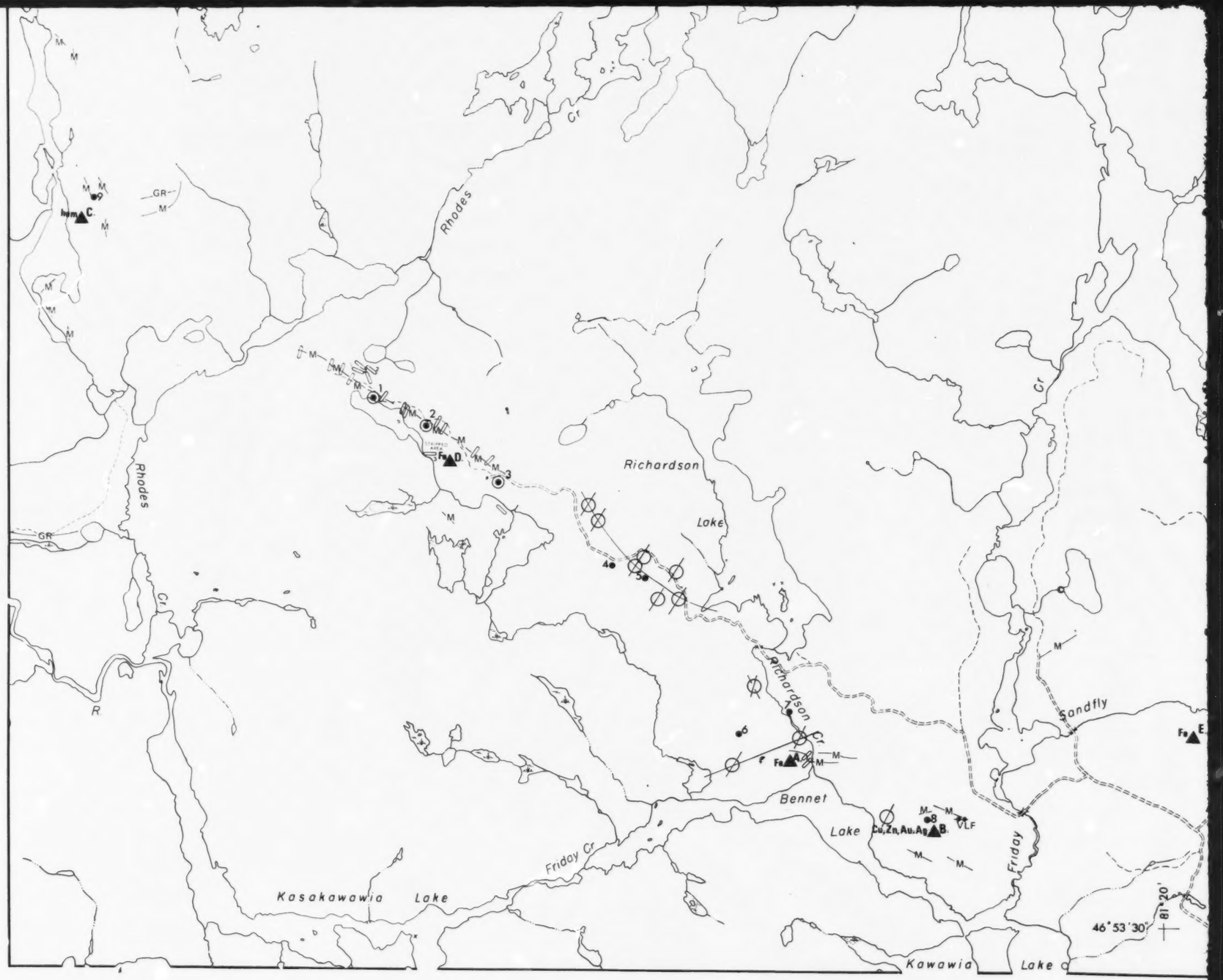
GEOPHYSICAL ANOMALIES

- ☐ -AM- Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly
  Length of anomaly along flight line
- ■ Airborne electromagnetic anomaly
  Location of anomaly along flight line
- ■ Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ☐ -ARA- Airborne radiometric anomaly
- ■ -M- Ground magnetic anomaly
- ■ VL Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq.; Turam; JEM -
  Crone Em - 16)
- ☐ -RA- Ground radiometric anomaly
- ☐ -IP- Induced polarization anomaly
- ☐ -SP- Self potential anomaly
- ☐ -AFMAG- Audio-frequency magnetic anomaly
  (total intensity)
- ☐ -R- Resistivity anomaly
- ■ -GR- Gravity anomaly

MISCELLANEOUS DATA

- ■ Trenching, pit
- ☐ Adit
- ☐ Open pit
- ☐ Rock quarry
- ☐ Sand and/or gravel pit
- ☐

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



RHODES TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter
- A. — Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- ●² — Location of single drillhole, with reference number
- ◉² — Location of closely spaced group of drillholes, with reference number
- (?)² — Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area with reference number
- ○² — Property with drillholes which have not been plotted on map, with reference number
- ⊕² — Reverse circulation drillhole; churn drilling, with reference number

Rhodes
Richardson Lake
Richardson Cr
Bennet Lake
Friday Cr
Friday
Sandfly
Kasakawawia Lake
Kawawia Lake
Cu,Zn,Au,Ag B.
VLF
Fe D.
Fe E.
46°53'30"
81°20'